



# JM MICRO-STRAND<sup>®</sup> GLASS MICROFIBERS

## Our Customers' Success Drives Everything We Do.

Johns Manville is recognized by many of our customers as the leading supplier of quality glass microfibers for the manufacture of specialty glass papers and battery separators. Over the course of our long history pioneering microfiber technology, we have developed the sophistication to produce customized microfibers that support a growing list of applications and industries.



## Many Products. One Expert Provider. Vast Possibilities.

Glass microfiber technology continues to be on the cutting edge of innovation because it is engineered to create value for each application in which it is used. **The superior physical and chemical properties of JM Micro-Strand<sup>®</sup> make it the smart solution for glass microfiber applications.**

## JM Microfiber for Today – and for Tomorrow.



**Promoting Human Health and Wellness:** Threats to our health surround us in the air we breathe. But glass microfibers, a key component in air filters that remove potentially harmful particles, contribute to a higher standard of health for people around the world.



**Enabling Innovation:** Our highly engineered microfibers deliver the level of air quality that today's microelectronics industry requires to protect the facilities where they create and innovate every day.



**Driving Sustainable Progress:** Absorbent Glass Mat (AGM) battery separators have allowed hybrid and start-stop automotive technologies to emerge and gain traction, and air filters extend the life of the turbines that drive natural gas power plants, which offer a cleaner alternative to coal-based power generation.

## Micro-Strand Advantages:

- Micro-Strand features very fine diameter, exceptional thermal stability, and a high surface area per unit mass.
- Micro-Strand is more affordable than synthetic fiber options and provides unmatched filtration – the best of both worlds.
- Micro-Strand offers chemically-specific formulations for end-use compatibility.
- Micro-Strand consists of small media pore size for ultra-pure filtration applications.
- Micro-Strand improves our customers' ability to operate efficiently and reduce waste by providing them a product of exceptional quality.

## Micro-Strand Applications:



### Air filtration

- HEPA and ULPA
- Clean room
- HVAC
- Respirators
- Gas turbine inlet air



### Liquid filtration

- Diesel fuel
- Hydraulic fluids
- Medical



### Energy

- Battery separator
- Reinforcement



### Cryogenic insulation



### Laboratory

## Micro-Strand Technical Information:

Code	BET FIBER DIAMETER	Glass Type		
	Nominal (microns)	253	475	481*
90	0.26		X	
100	0.32	X	X	X
102	0.40	X	X	
104	0.50	X	X	X
106	0.65	X	X	X
108-A	1.00		X	
108-ABM	1.00		X	
108-B	1.80		X	
108H	2.00		X	
110X	2.70		X	X
112X	4.00		X	X
206	0.77	X		
210X	3.00	X		
212X	4.10	X		
CX	5.50	X	X	

\*Proprietary, non-biopersistent glass formulation from Johns Manville.



### Customer Service

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### **Contact Information:**

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[www.JM.com/en/manufacturers-solutions/fibers/fibers-contact-us/](http://www.JM.com/en/manufacturers-solutions/fibers/fibers-contact-us/)

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